

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090995 A2

- (51) International Patent Classification⁷: **G01N 33/68**, 33/58, C07K 7/00, 14/00, A61K 38/00, A61P 15/00
- (74) Agents: MEYERS, Hans-Wilhelm et al.; Postfach 10 22 41, 50462 Köln (DE).
- (21) International Application Number:
PCT/EP2005/050742
- (22) International Filing Date: 21 February 2005 (21.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/545,906 20 February 2004 (20.02.2004) US
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **APLAGEN GMBH** [DE/DE]; Arnold-Sommerfeld-Ring 2, 52499 Baesweiler (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **FRANK, Hans-Georg** [DE/NL]; Josephina Straat 16, NL-6462 EL Kerkrade (NL). **RYBKA, Andreas** [DE/DE]; Heidestr. 1a, 45701 Herten (DE). **BORGES, Andrea** [DE/US]; 36 Burnet Street, Maplewood, New Jersey 07040 (US). **GREINDL, Alexandra** [DE/DE]; D'horner Str. 41, 52379 Langerwehe-Merode (DE).
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: NEW PEPTIDES

(57) Abstract: A method of assessing the titre of fertility-relevant autoantibodies of a mammalian female, wherein said method comprises: the presentation of a defined single molecule capable of binding to the idiotype of the fertility-relevant autoantibody, and determining the amount of autoantibody being bound by said molecule from a sample of a body fluid of said mammalian female.



WO 2005/090995 A2